

Let assemble this genome!

Your read set:

1: A**T**TTA**C**G**GG**T  
2: T**T**A**C**G**GG**G**T**GG  
3: **A**C**GG**G**T****C**CTT  
4: G**T****C**C**TT**T**C**TT  
5: T**TT**C**TT****A****C**GG

For each read:

Find the best overlap (length>5)  
Merge the two reads